ECS Configuration Change Request

1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Dept.
Linwood Moses	02/19/02	02-0138	?	x1112	2109A	SE

8. CCR Title: Install AMASS 5.1.1 for EOC testing in the PVC

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date: 02/20/02
Linwoood F. Moses /s/ 2/19/02	IN	CCR	

13. Office Manager Signature/Date	14. Category of Change:	15. Priority: (If "Emergency" fill in Block 27).
Carolyn Whitaker /s/ 2/19/02	Update ECS Baseline Doc.	Emergency

16. Documentation/Drawings Impacted: See attachment.	17. Schedule Impact: NONE	18. CI(s) Affected:

19. Release Affected by this Change: 6A	20. Date due to Customer:	21. Estimated Cost: None - Under 100K

22. Source Reference: ☐ NCR (attach)   ☐ Action Item   ☐ Tech Ref.   ☐ GSFC   ☒ Other:

23. Problem: (use additional Sheets if necessary)
EOC tiny granule processing will be done on the new instances of AMASS (p0wkg01/p0spg01) in the PVC. The current configuration will not satisfy the archive requirements for accessing the data. The AMASS configurations must be re-installed and configured to accomodate a larger cache and fnode configuration in the PVC for EOC testing. To accomplish this design, more disks must be added to the p0wkg01 & p0spg01 machines, the amasscache, and fnode parameters must also be increased. Also the DLT drive on p0wkg01 will be replaced by another 8mm Tape Stacker.

24. Proposed Solution: (use additional sheets if necessary)
Re-install/configure AMASS 5.1.1 on p0wkg01 & p0spg01. Move ChallengeL vault (EIN 3470) from t1aqg01 from VATC to p0wkg01 - stripped 8x4 GB disks for /dev/rxlv/amasscache device. Add 8mm stacker (EIN 3013) and remove DLT (EIN 2571) Move Challenge L vault (EIN 3197) from p0aqg01 to p0spg01 - stripped 8x4 GB disks for /dev/rxlv/amasscache device . (see additional sheet)

25. Alternate Solution: (use additional sheets if necessary)

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)

27. Justification for Emergency (If Block 15 is "Emergency"):
This installation impacts the start-up of the EOC Performance testing schedule.

28. Site(s) Affected: ☐ EDF   ☒ PVC   ☐ VATC   ☐ EDC   ☐ GSFC   ☐ LaRC   ☐ NSIDC   ☐ SMC   ☐ AK   ☐ JPL   ☐ EOC   ☐ IDG Test Cell   ☐ Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date): Byron V. Peters /s/ 2/20/02	Disposition: **Approved** App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
33. M&O CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

ADDITIONAL SHEET

CCR #:   **Rev:**   **Originator:** Linwood F. Moses

Telephone: x1112   **Office:** 2109A

Title of Change: Install AMASS 5.1.1 for EOC testing in the PVC

Install AMASS 5.1.1 on p0wkg01 & p0spg01.

p0wkg01:
  amasscache: 32 GB
  amassjournal: 2 GB
  filesysdb: 2 GB
  L0_Buffer: 4 GB

p0spg01:
  amasscache: 32 GB
  amassjournal: 2 GB
  filesysdb: 2 GB
  L0_Buffer: 4 GB

The AMASS instances will use standalone SCSI devices (8mm drives) as "virutal jukeboxes". AMASS data will be written to cache, instead of tape. SE (Hardware) will install the required disk devices to increase the amasscache. Amasscache and the fnode parameters will be increased to allow the data to stay resident in cache while being accessed. This will eliminate the need for multiple tape drives.

Baseline Documents Impacted:

922-TDP-035   p0aqg01 Disk Config Document
922-TDV-035   t1aqg01 Disk Config Document
922-TDP-015   p0spg01 Disk Config Document
922-TDP-018   p0wkg01 Disk Config Document

920-TDV-001   VATC HW Diagram Document
920-TDP-001   PVC HW Diagram Document